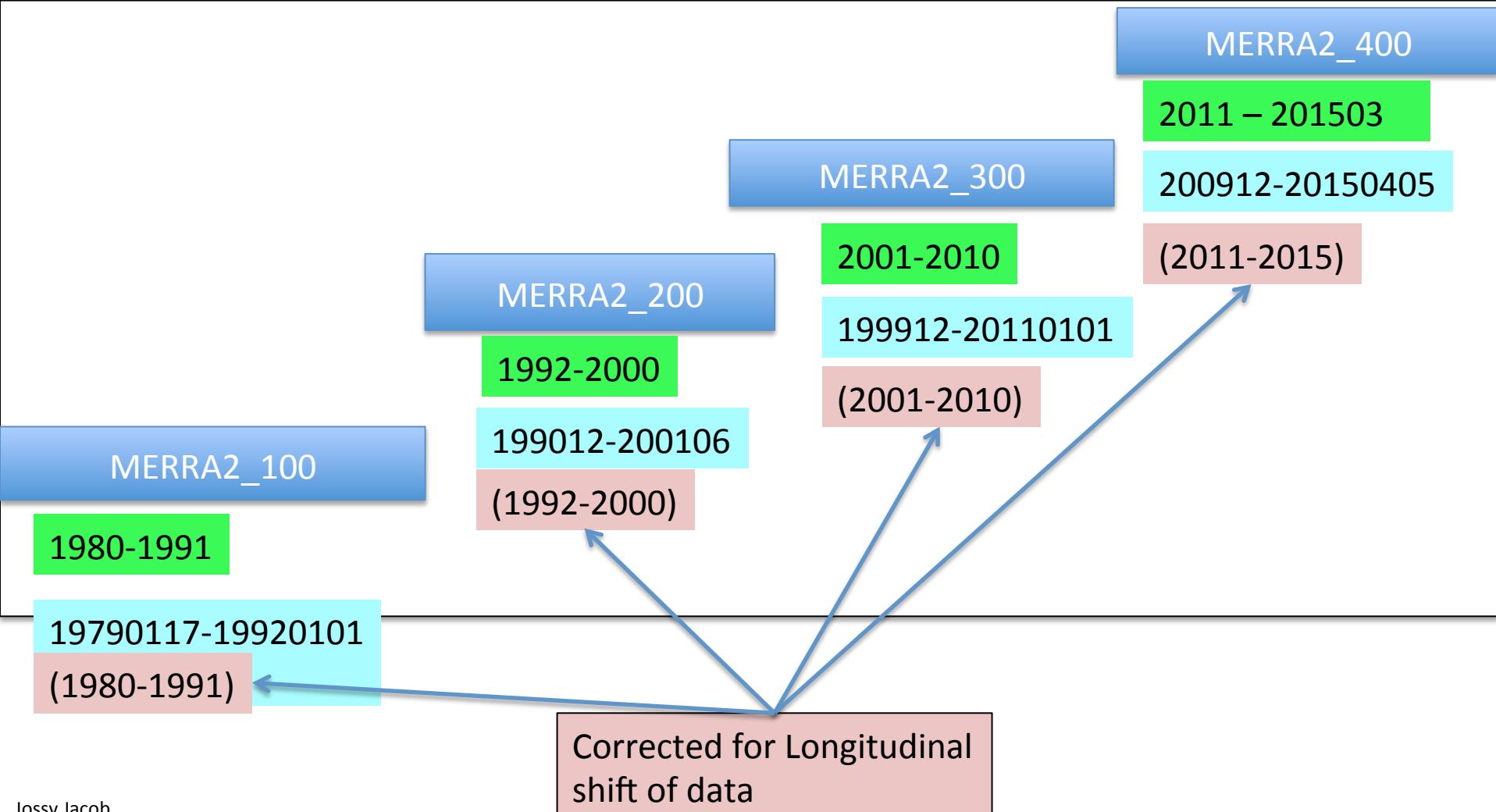
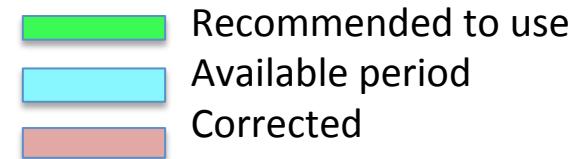


MERRA2 Streams



MERRA2 & MERRA for NU-WRF

REANALYSIS	MERRA	MERRA2
Resolution	540x361x 42 (2/3) x (1/2) degree	576x361x72 (5/8)x(1/2) degree
Data format	HDF	NETCDF4
Variable name changes	Xdim, Ydim, Height, TIME(double precision)	LON, LAT, LEV, TIME(single precision)
Time period/ Streams:	MERRA100: 1980 - 1993 MERRA200: 1992 - 2000 MERRA300: 2001 - 2015	MERRA2_100: 1980 - 1991 MERRA2_200: 1992 – 2000 MERRA2_300: 2001 – 2010 MERRA2_400: 2011 - 2015

How to run MERRA2wrf with MERRA2:

Compile: ./build.sh merra2wrf (or ./build.sh all or ./build.sh allchem)

/utils/geos2wrf_2/RUN_MERRA2/Run_MERRA2.csh startdate enddate MERRADIR NUWRFDIR

MERRA2 collections

The following MERRA2 collections are used for NU-WRF with MERRA2WRF

(For example Stream: MERRA2_400, date: 20110101)

MERRA2_400.const_2d_asm_Nx.00000000.nc4

MERRA2_400.tavg1_2d_slv_Nx.20110101.nc4

MERRA2_400.tavg1_2d_ocn_Nx.20110101.nc4

MERRA2_400.inst6_3d_ana_Nv.20110101.nc4 → corrected for longitudinal data shift.

MERRA2_400.inst6_3d_ana_Np.20110101.nc4

LIS use the following collections:

MERRA2_400.tavg1_2d_slv_Nx.20110101.nc4

MERRA2_400.tavg1_2d_flx_Nx.20110101.nc4

MERRA2_400.tavg1_2d_lfo_Nx.20110101.nc4

MERRA2_400.tavg1_2d_rad_Nx.20110101.nc4